

FIG. 1

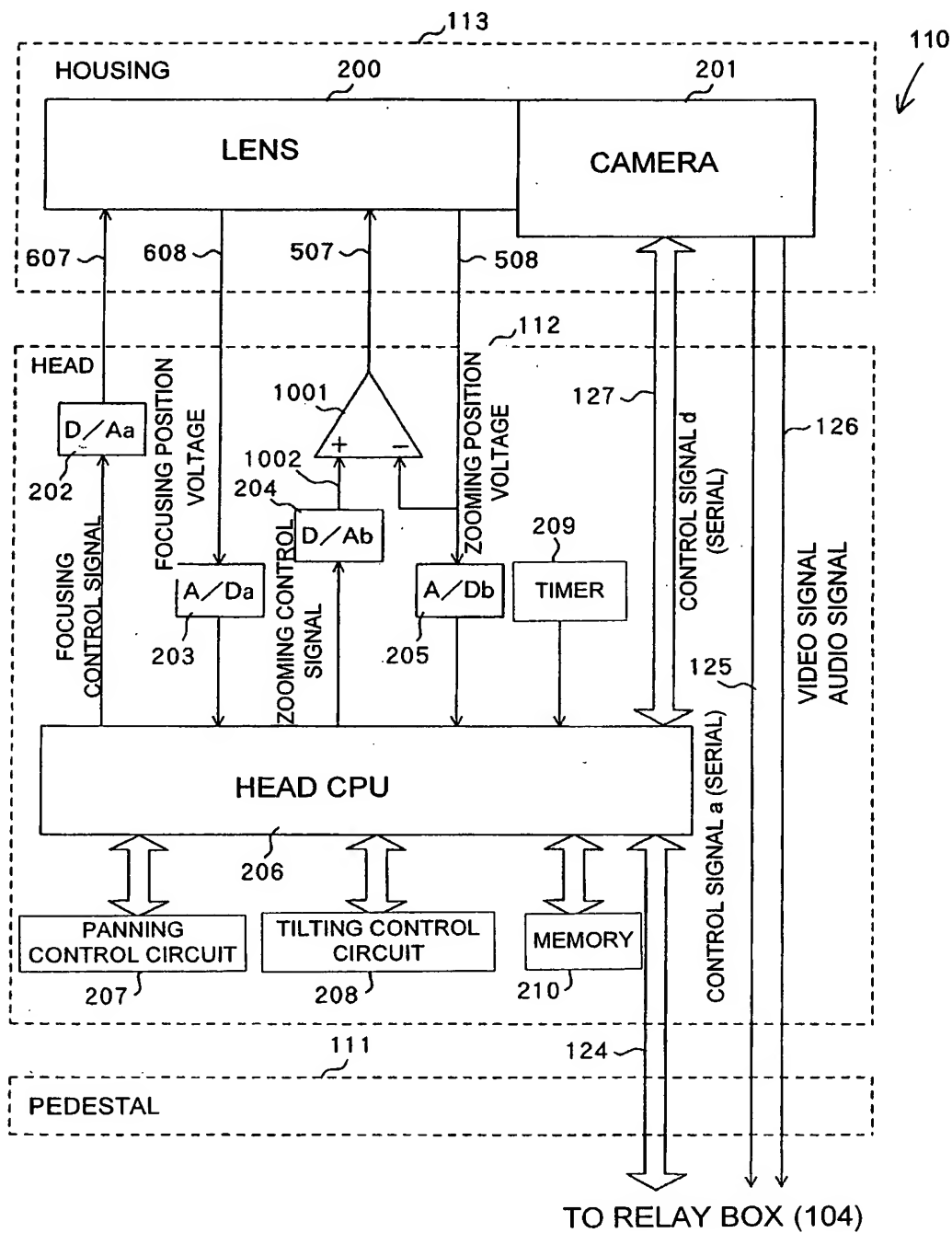


FIG. 2

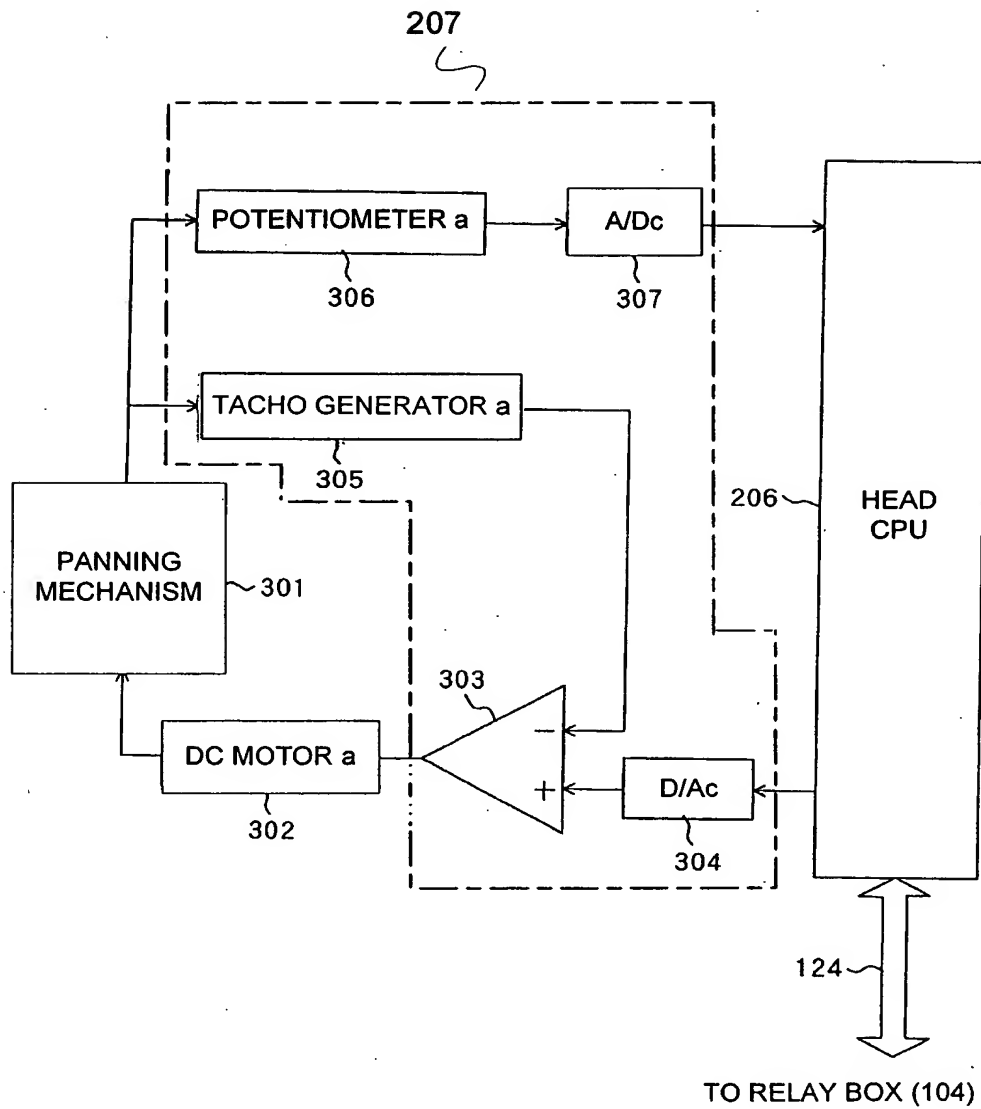


FIG. 3

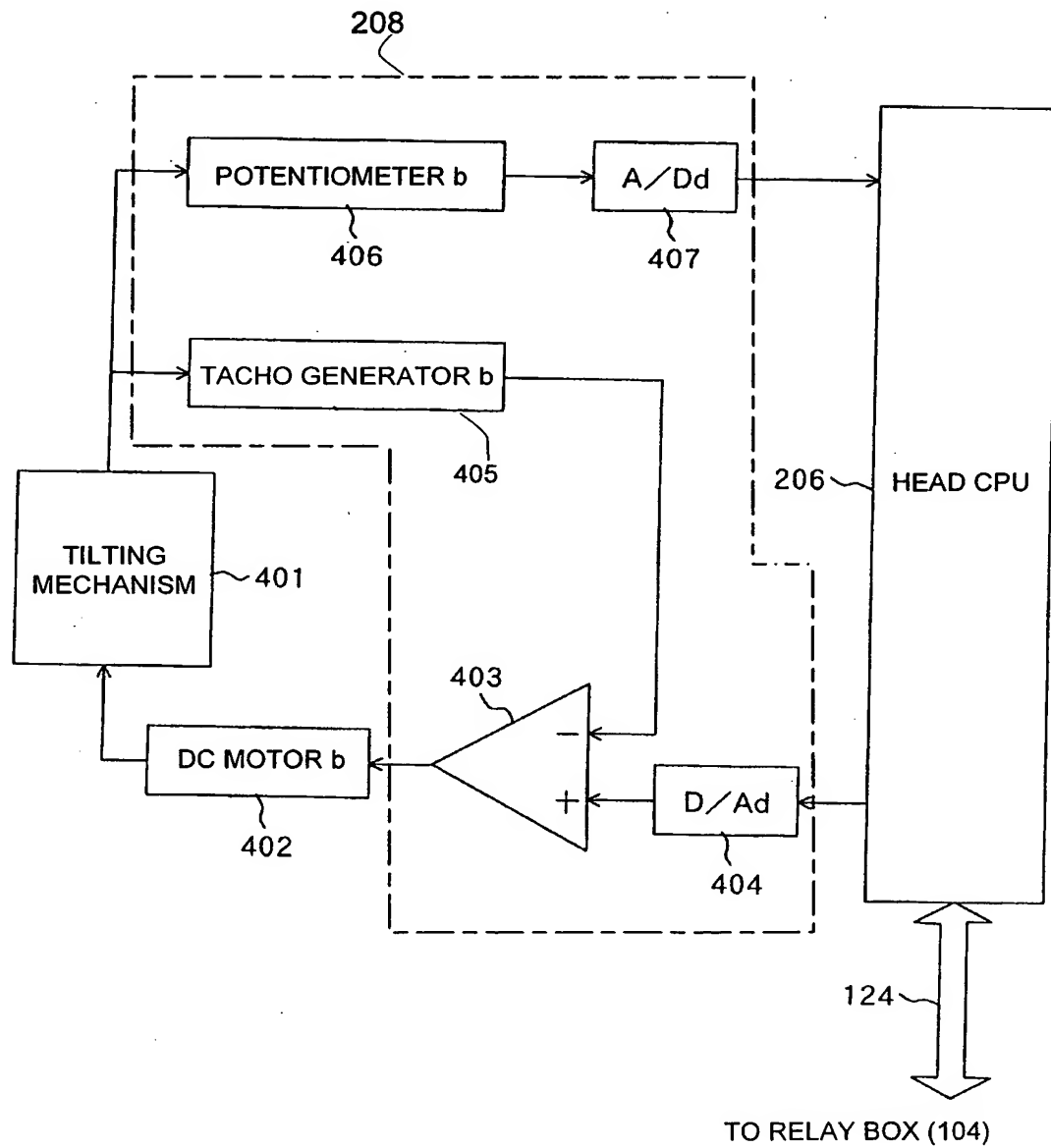


FIG. 4

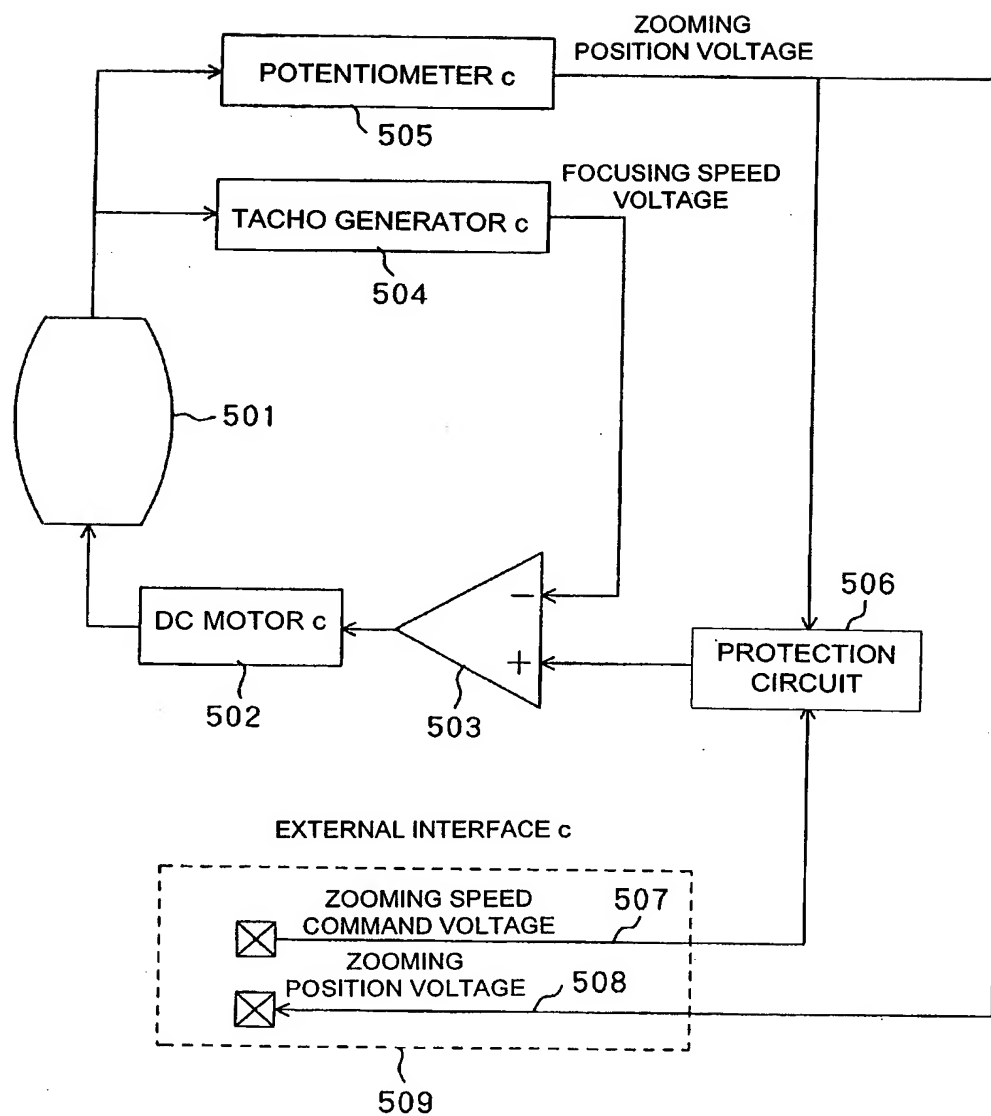


FIG. 5

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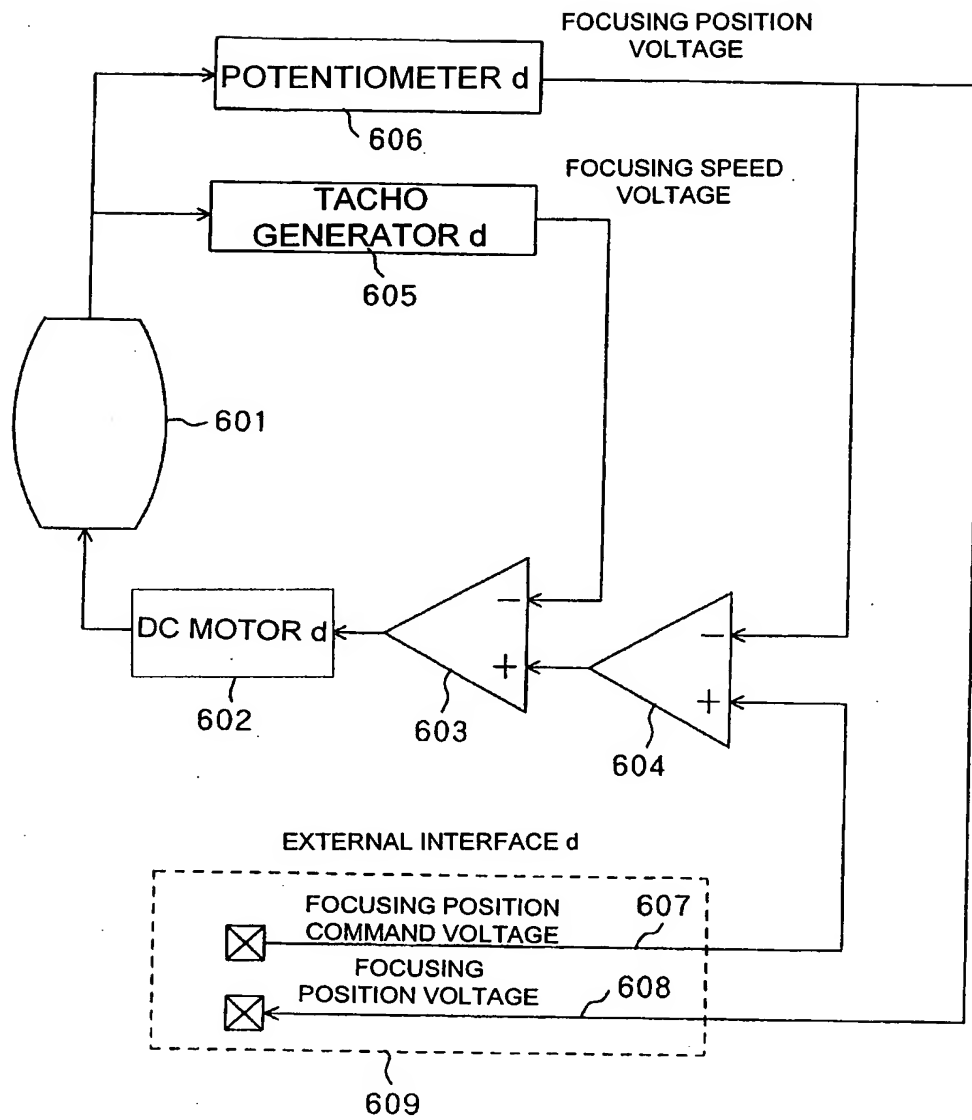


FIG. 6

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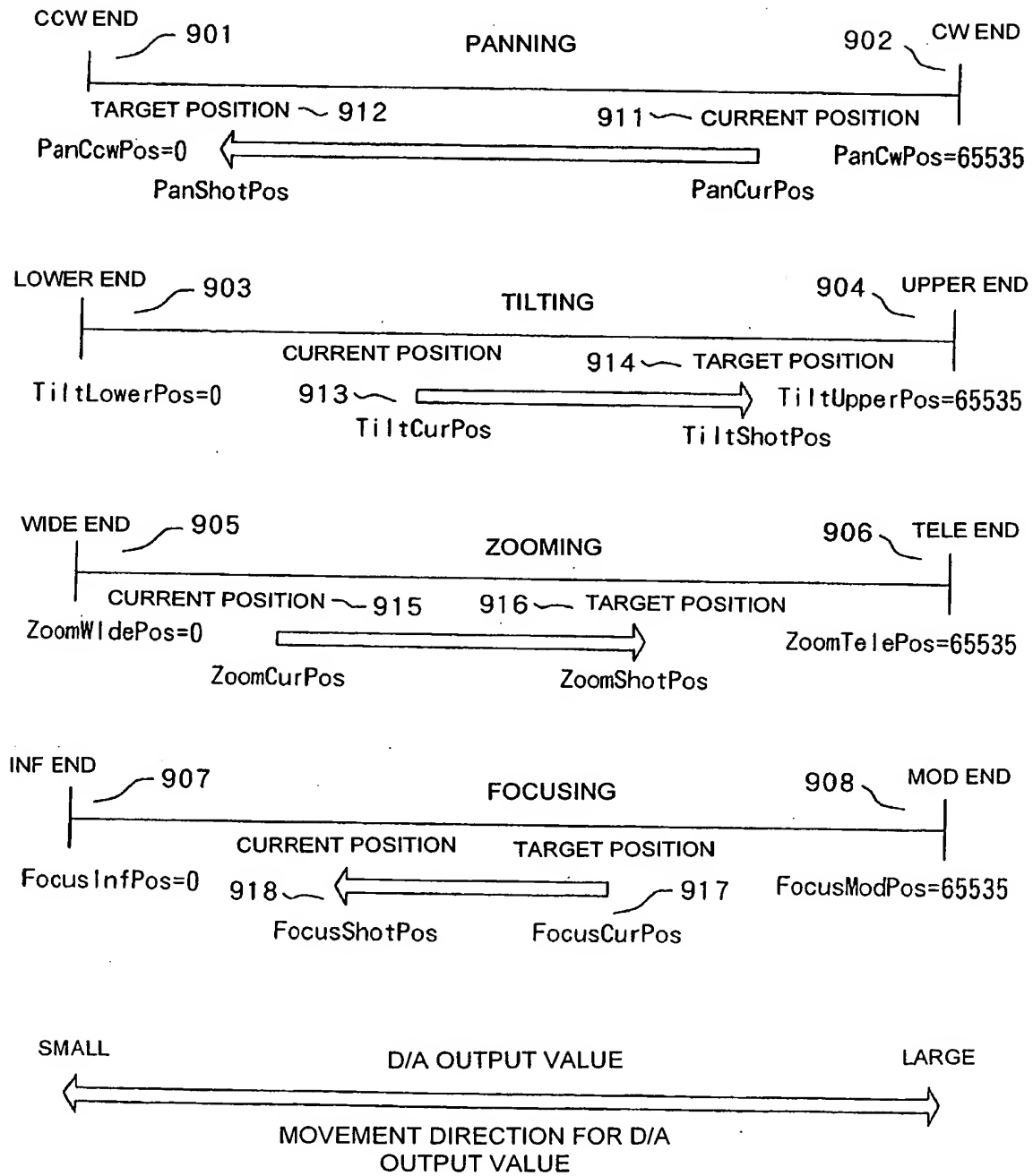


FIG. 7

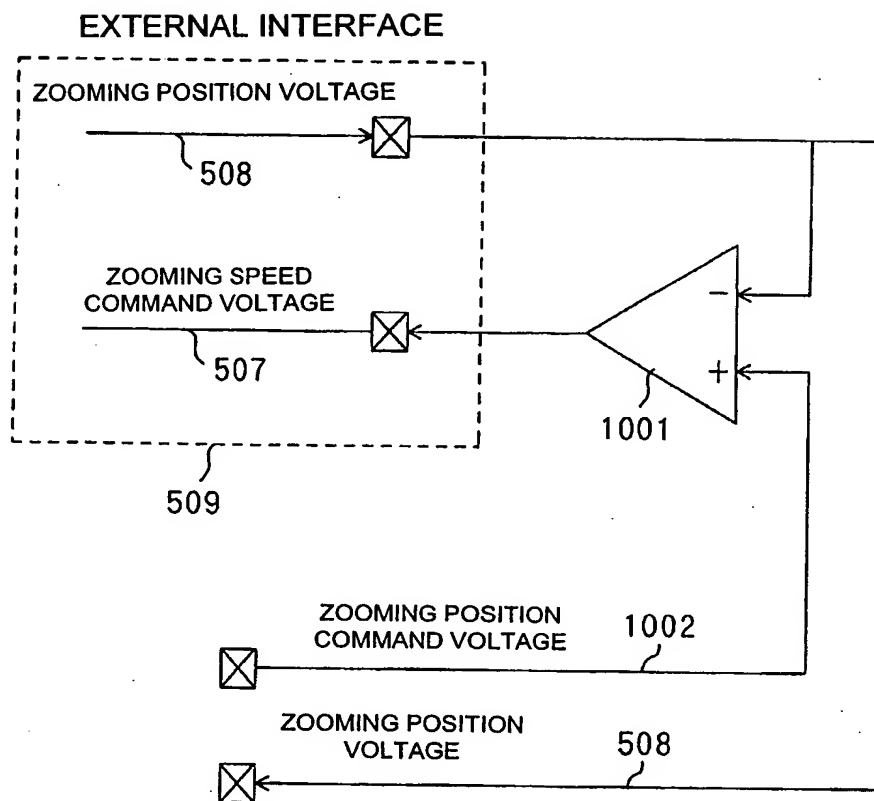


FIG. 8

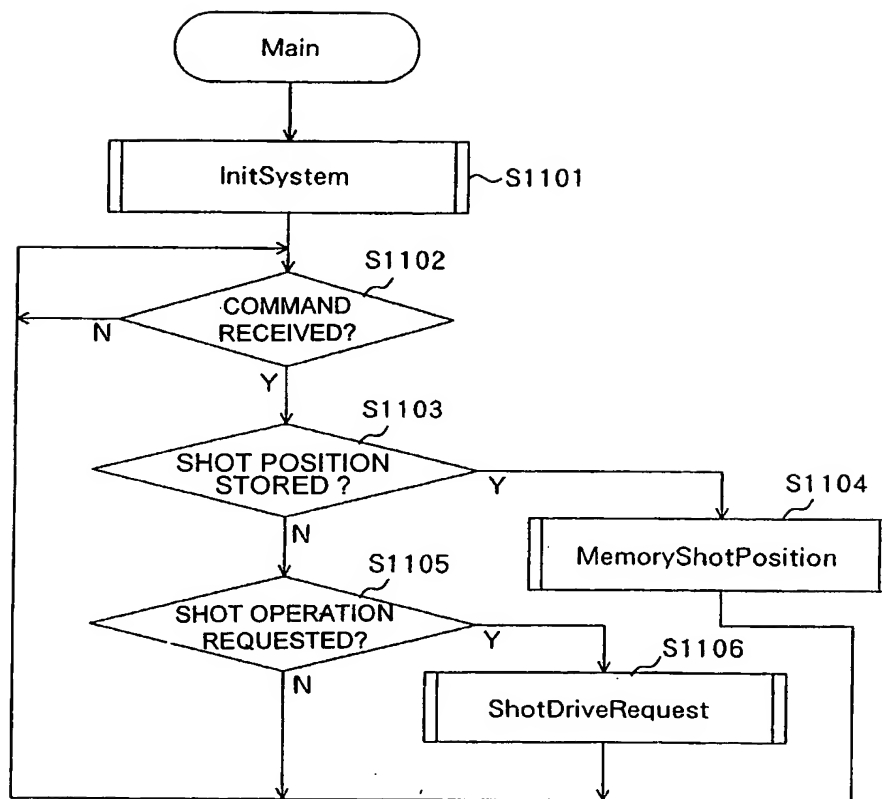


FIG. 9

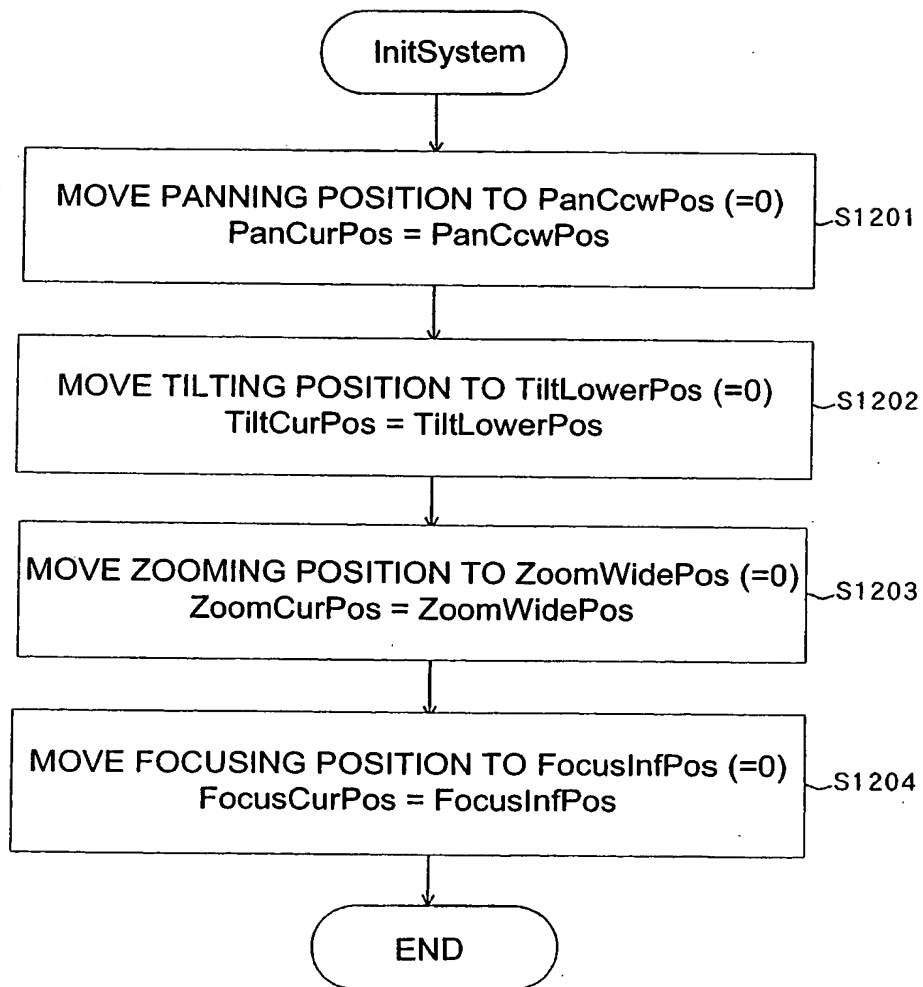


FIG. 10

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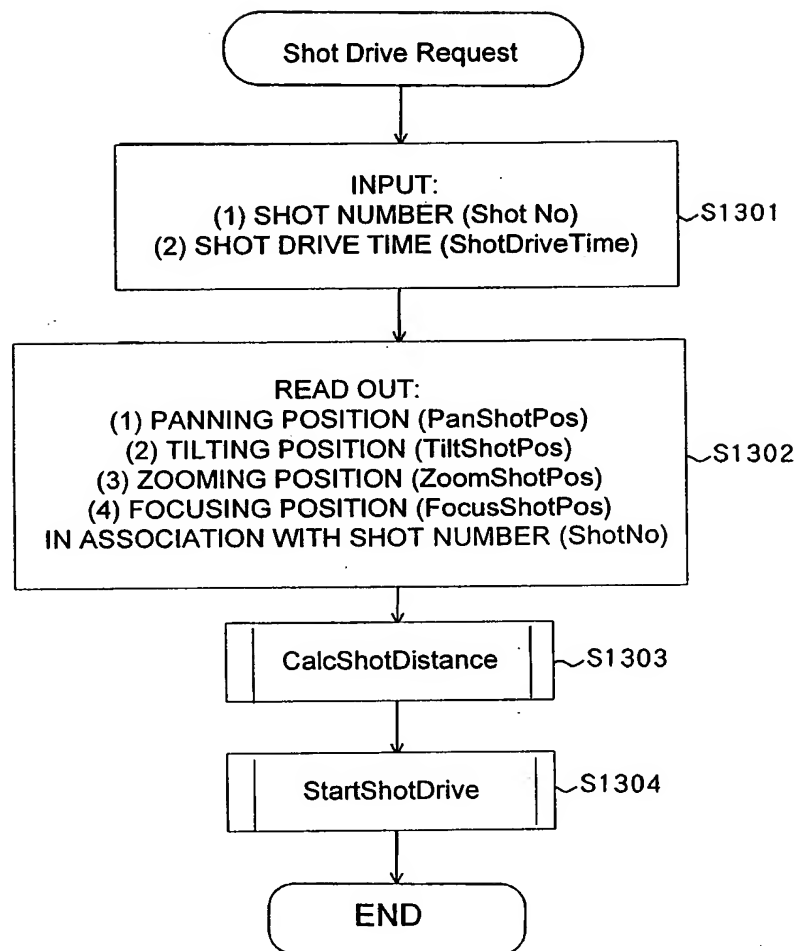


FIG. 11

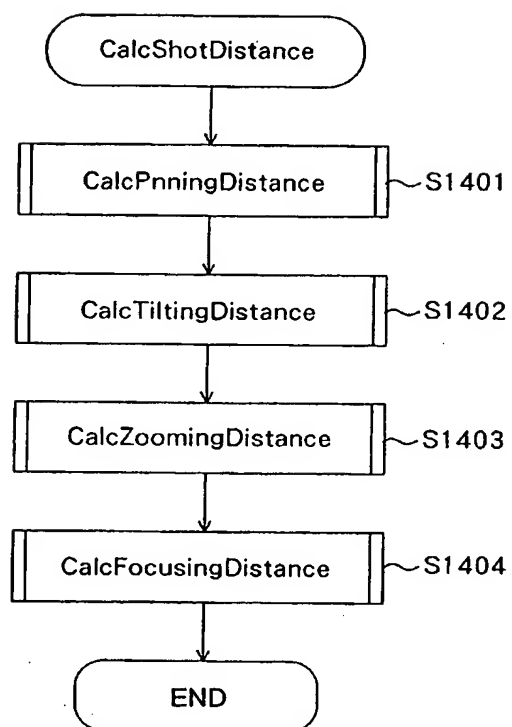


FIG. 12

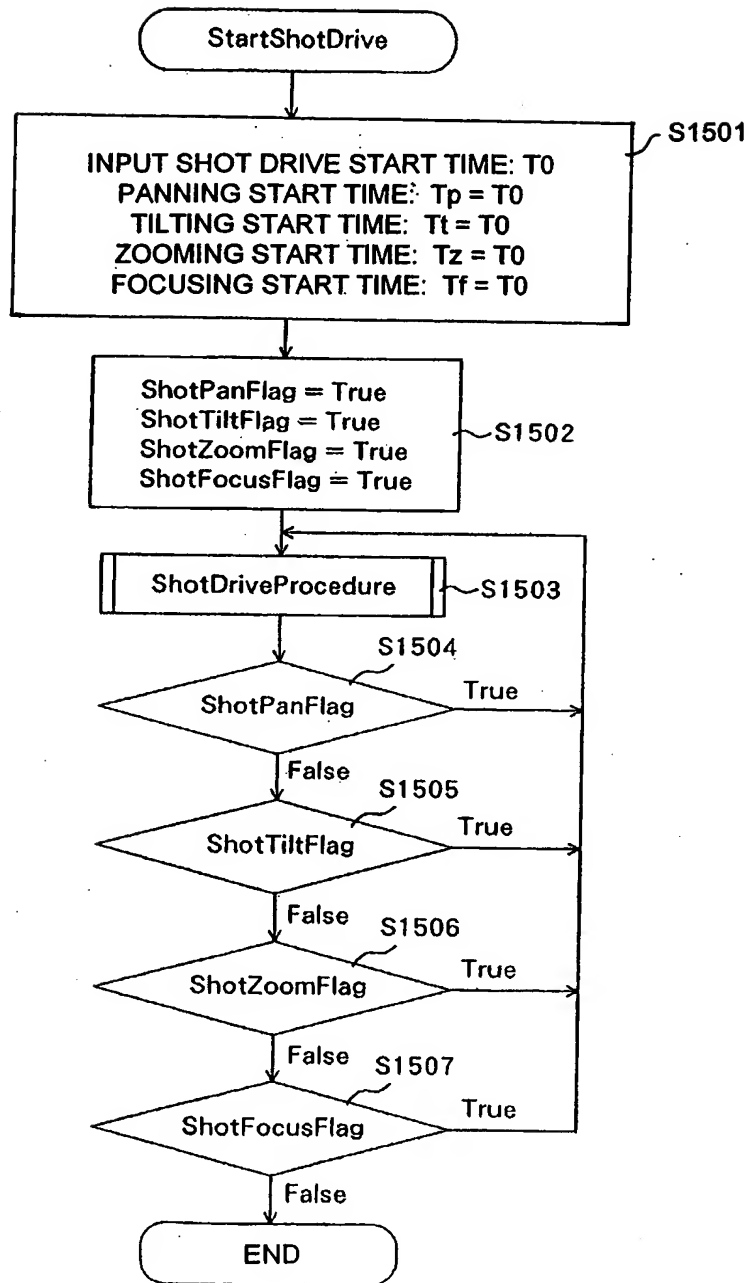


FIG. 13

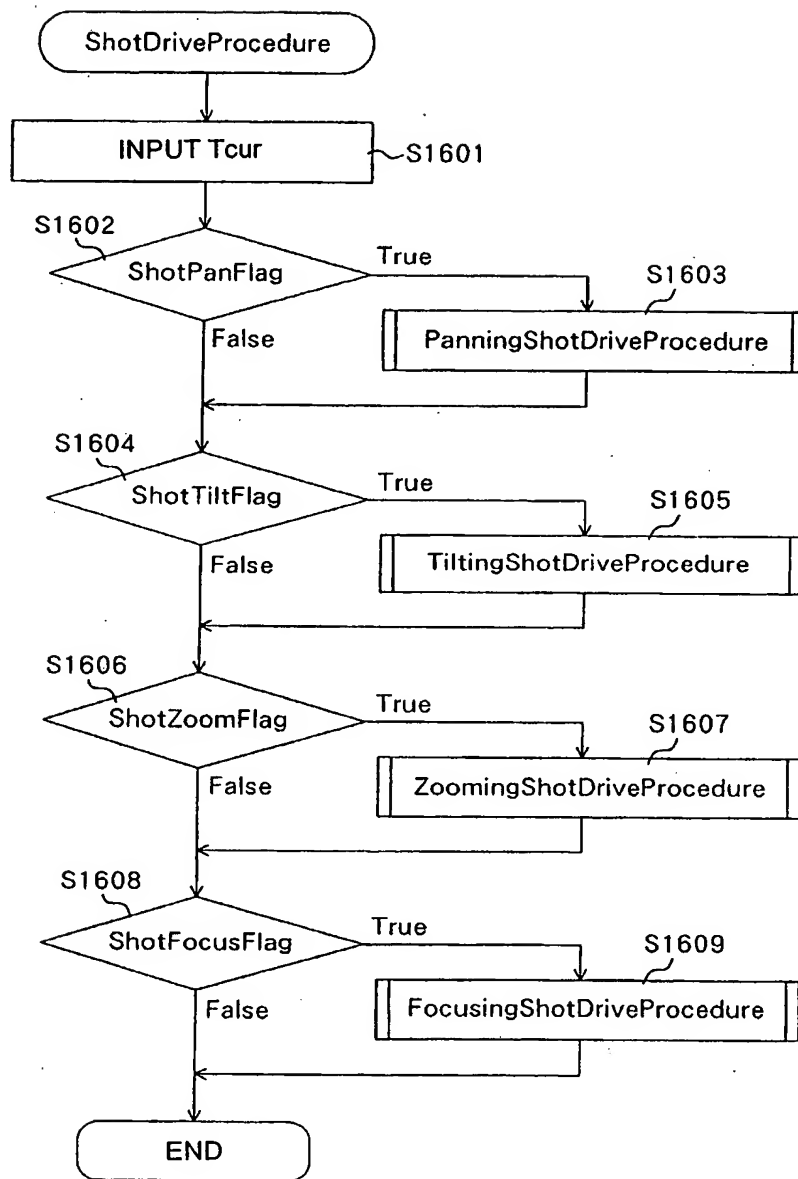


FIG. 14

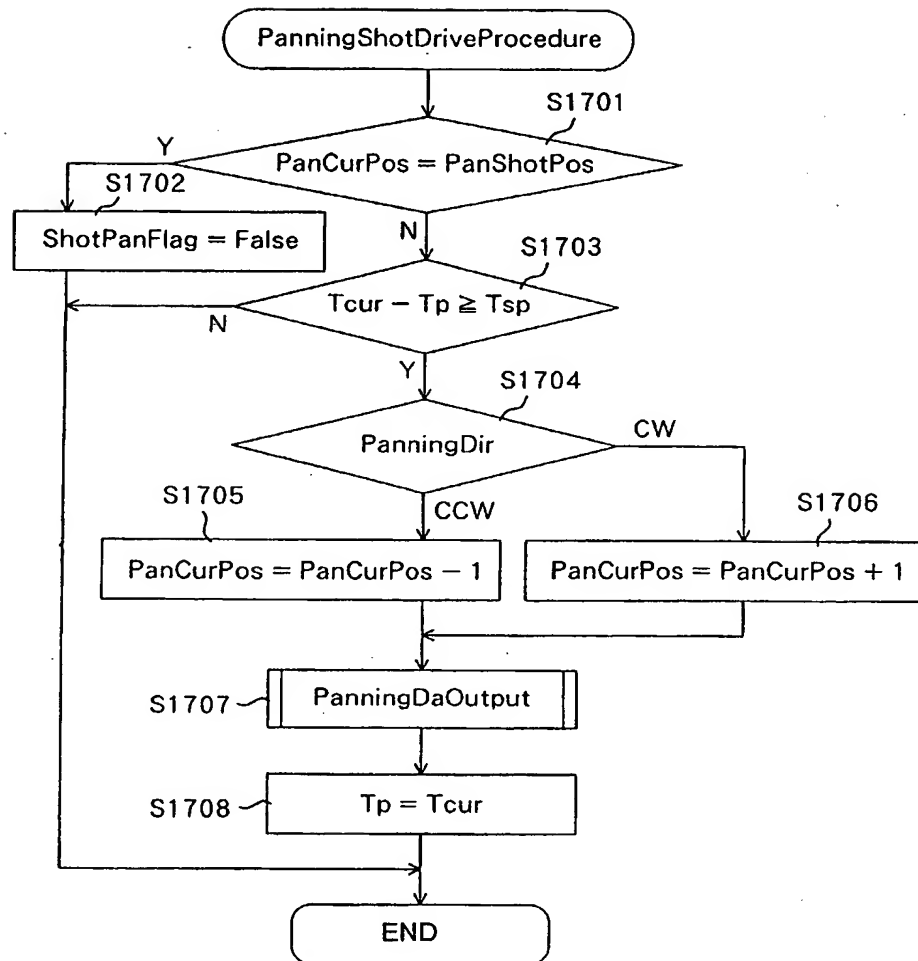


FIG. 15

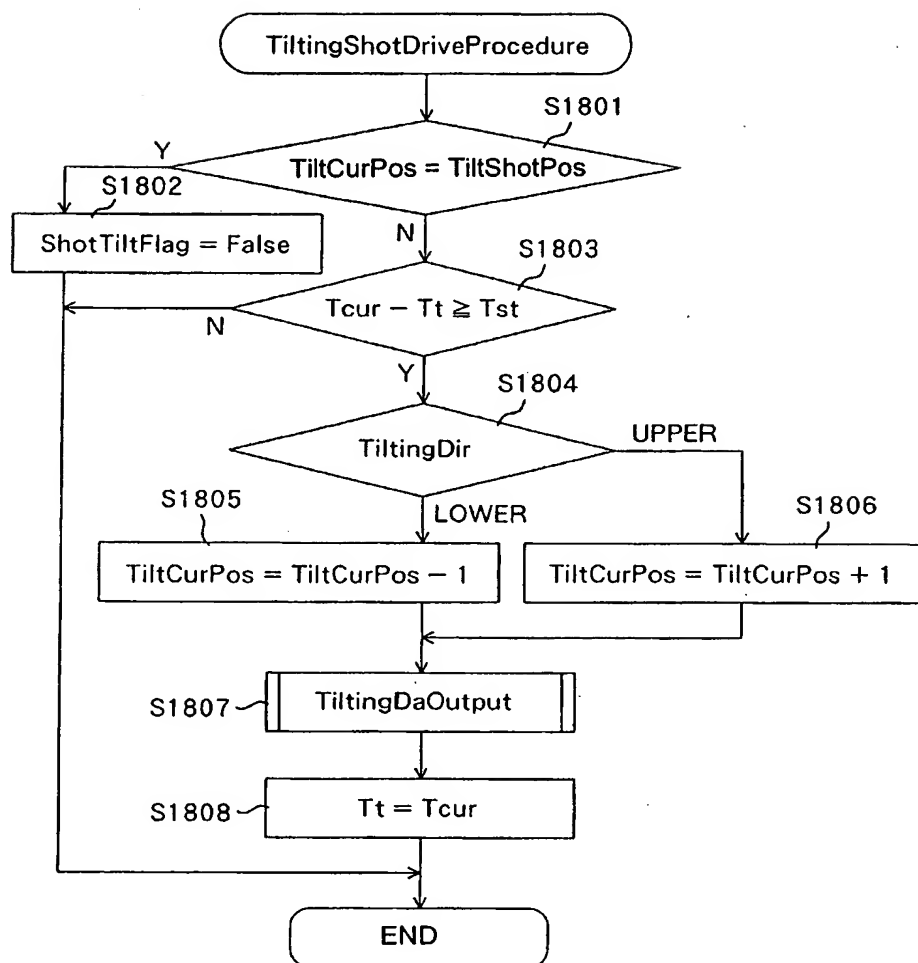


FIG. 16

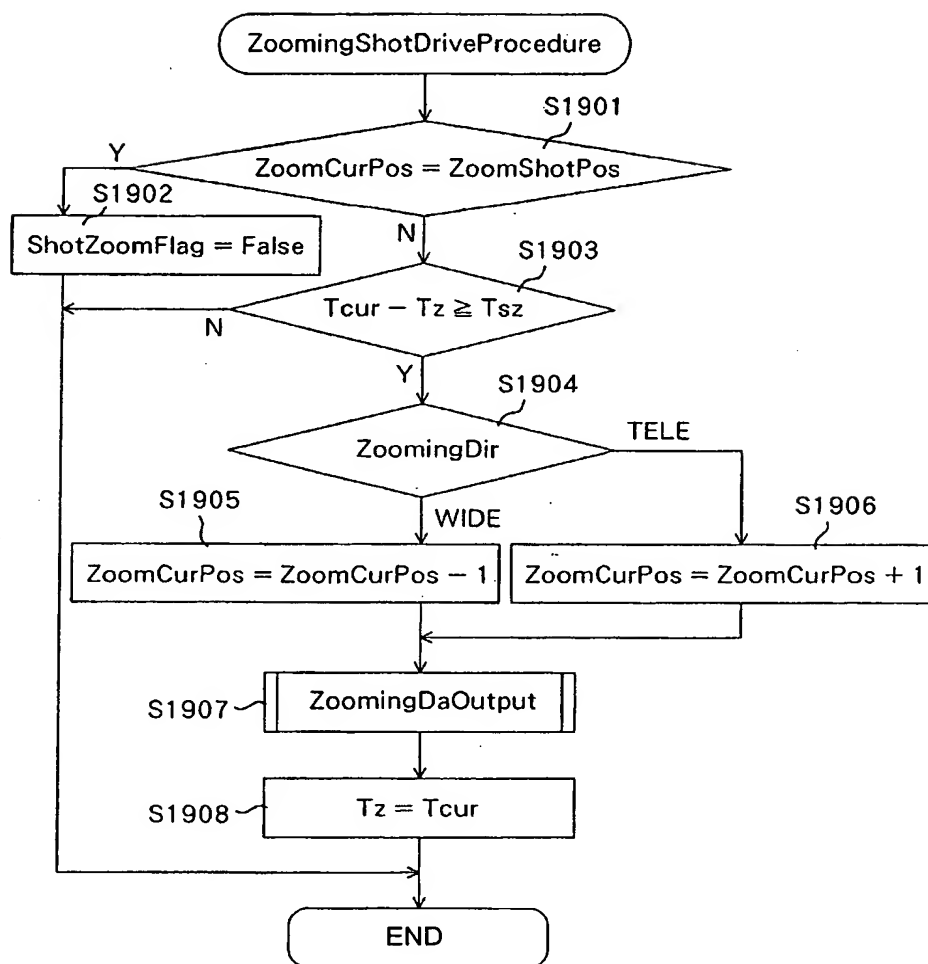


FIG. 17

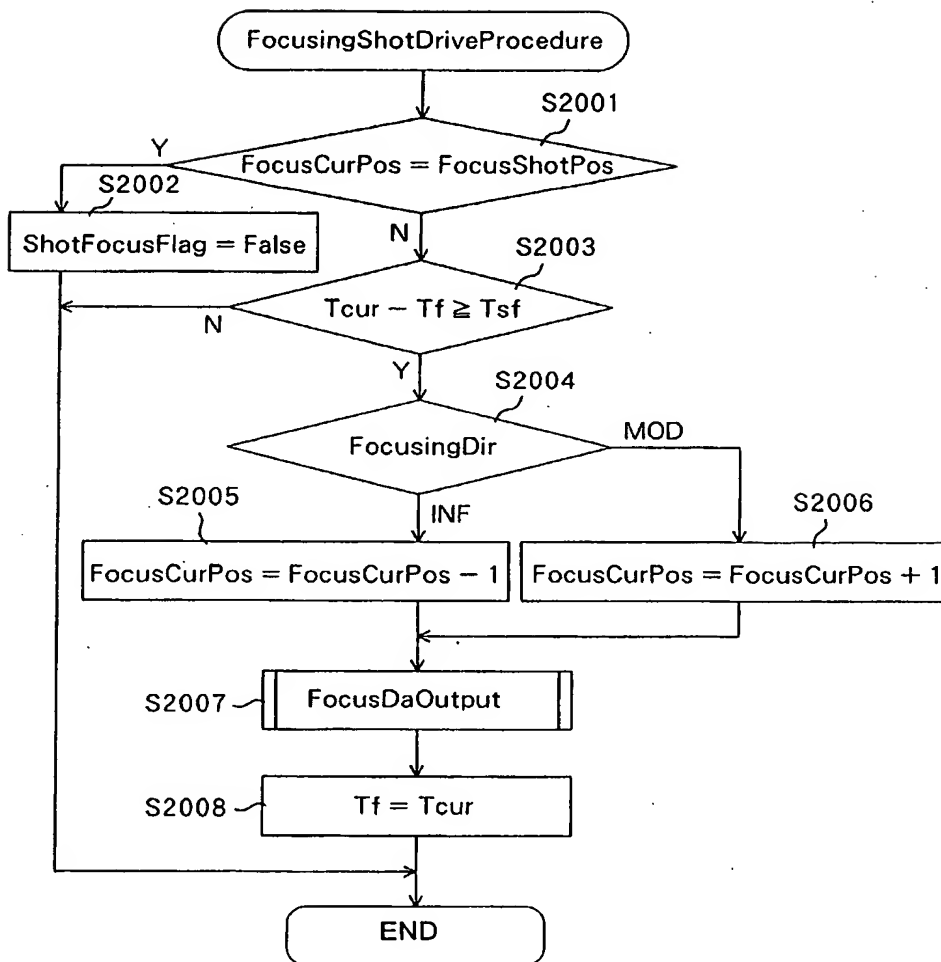


FIG. 18

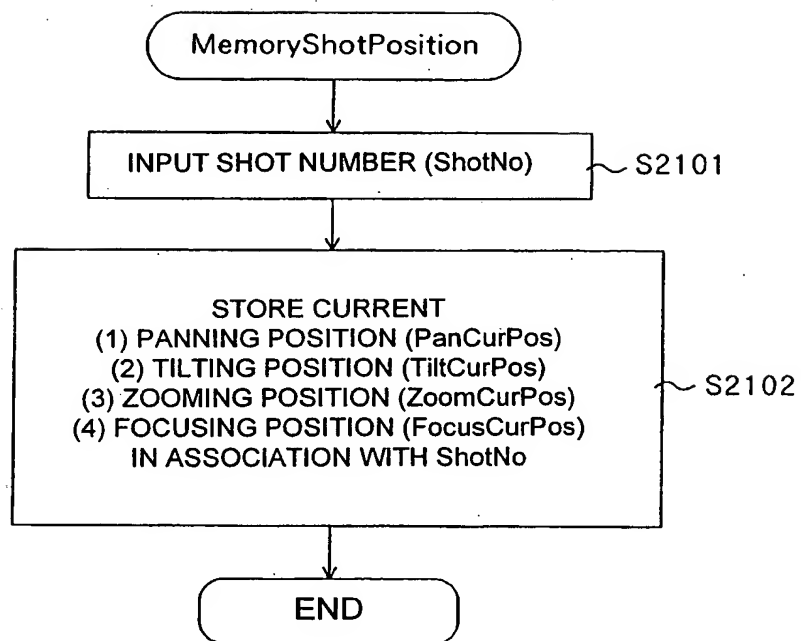


FIG. 19

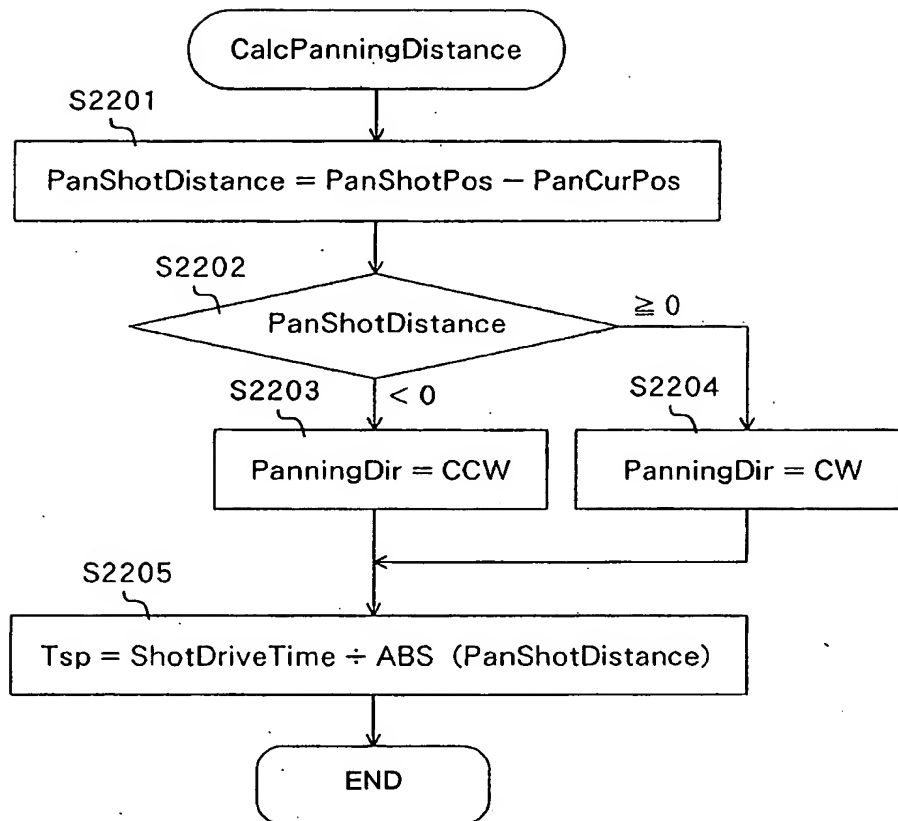


FIG. 20

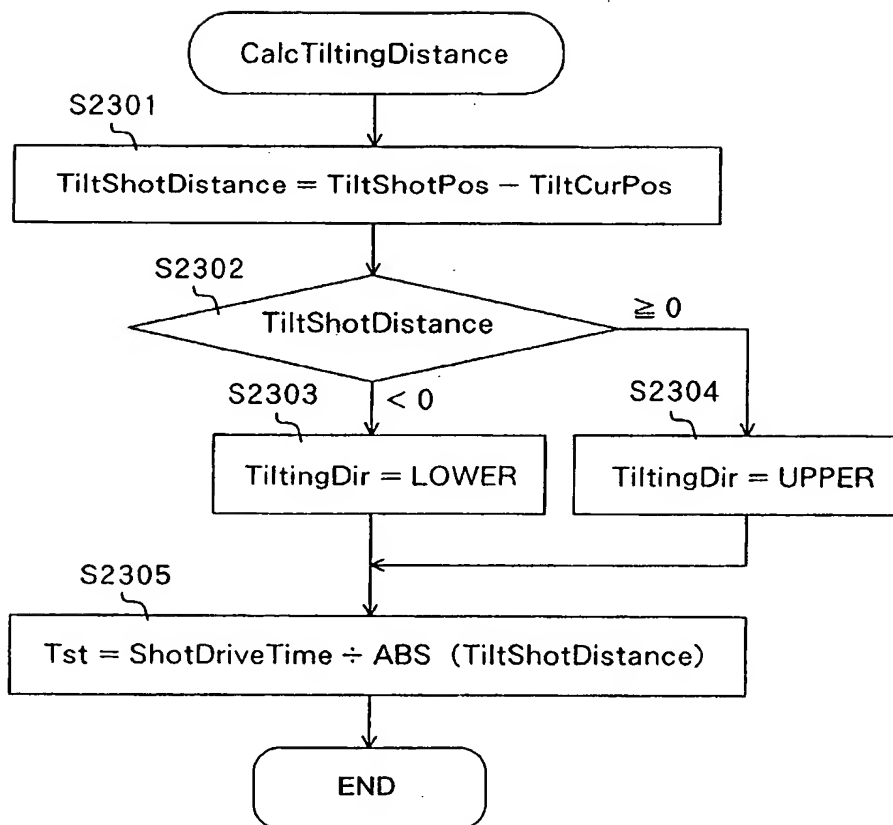


FIG. 21

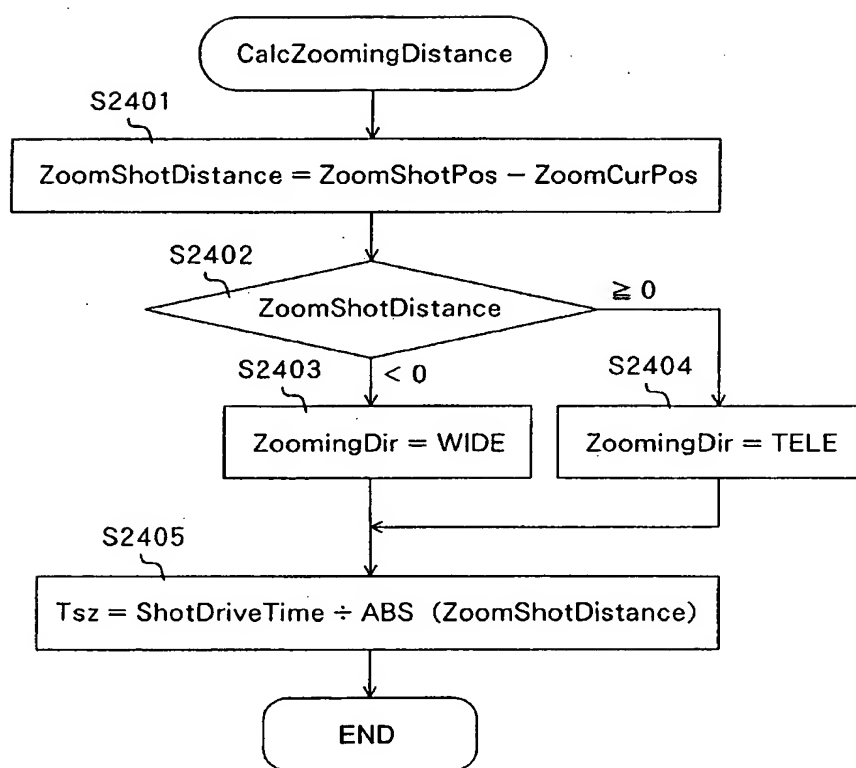


FIG. 22

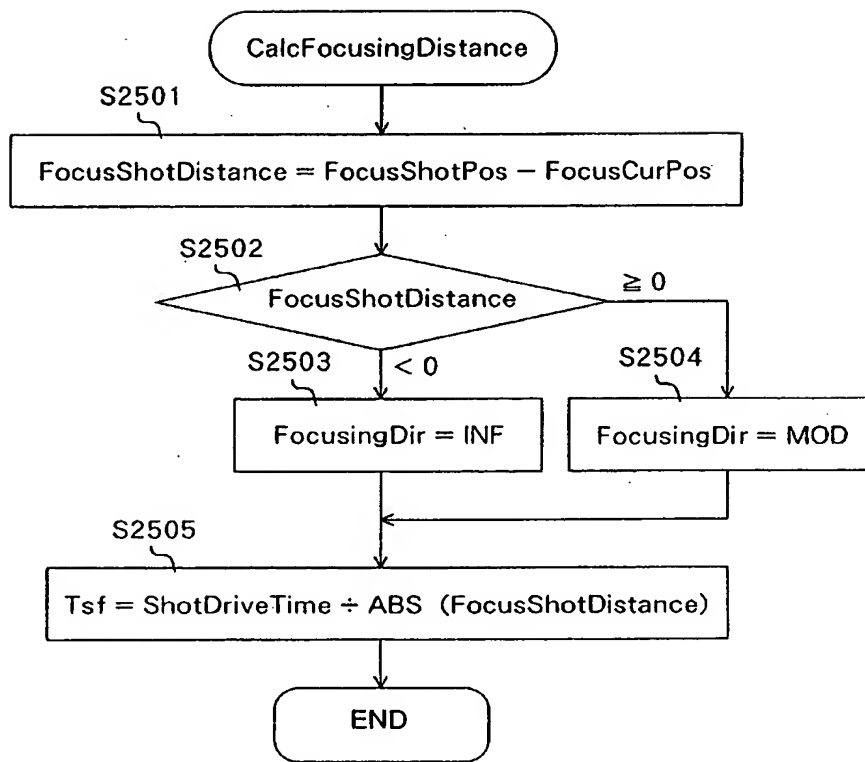


FIG. 23

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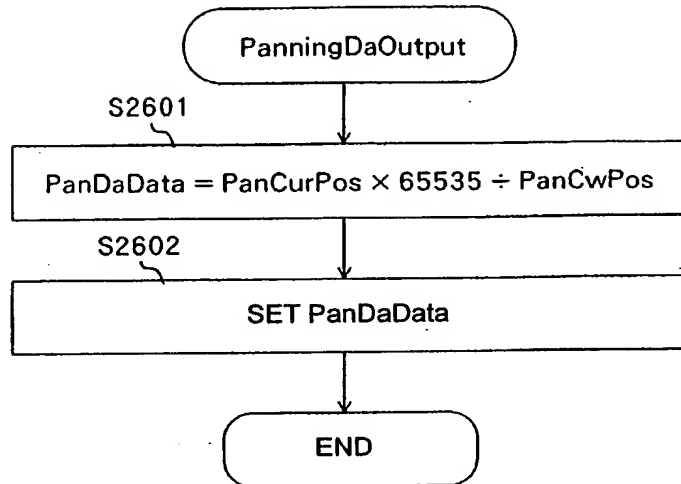


FIG. 24

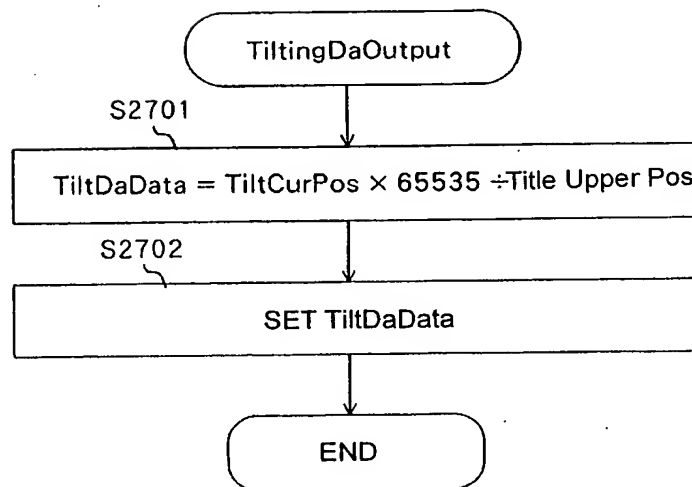


FIG. 25

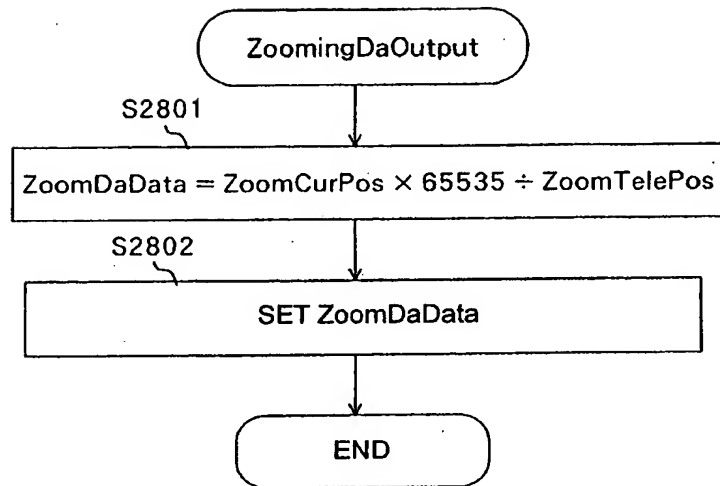


FIG. 26

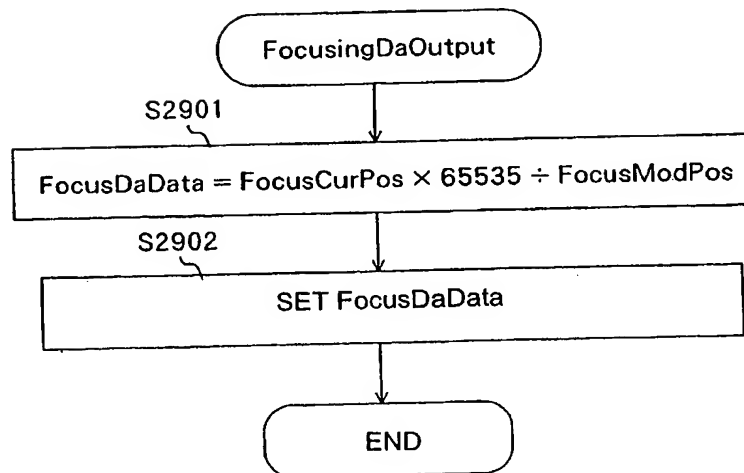


FIG. 27

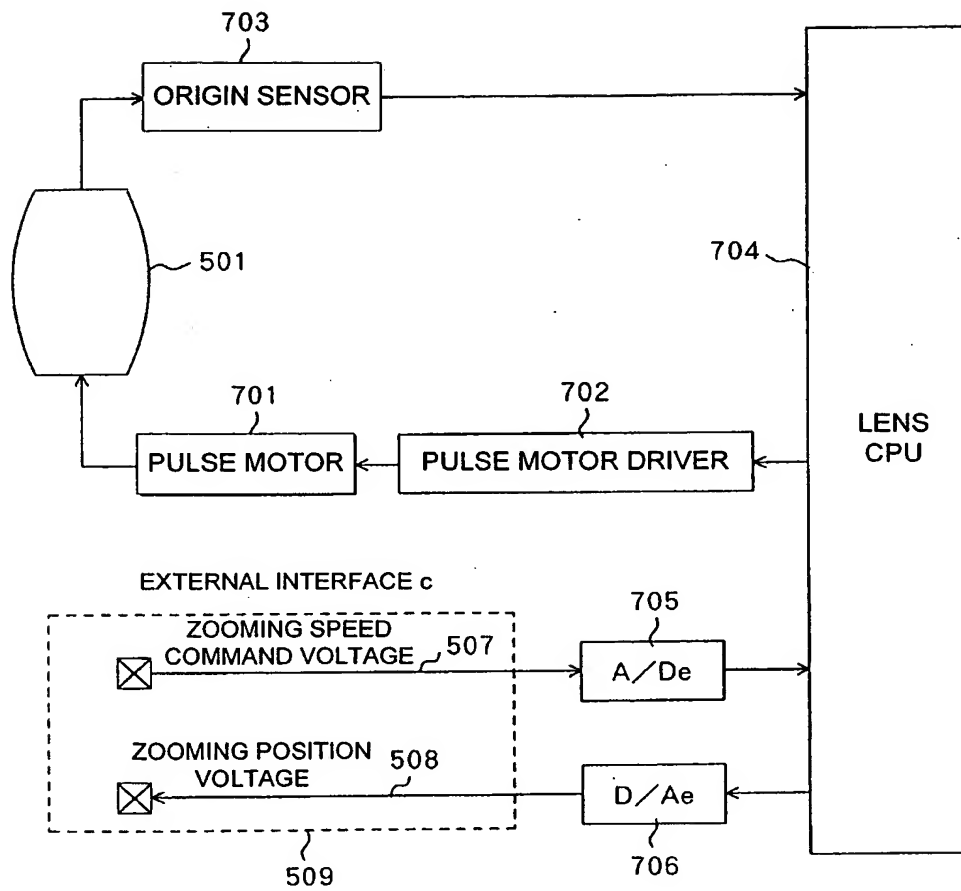


FIG. 28

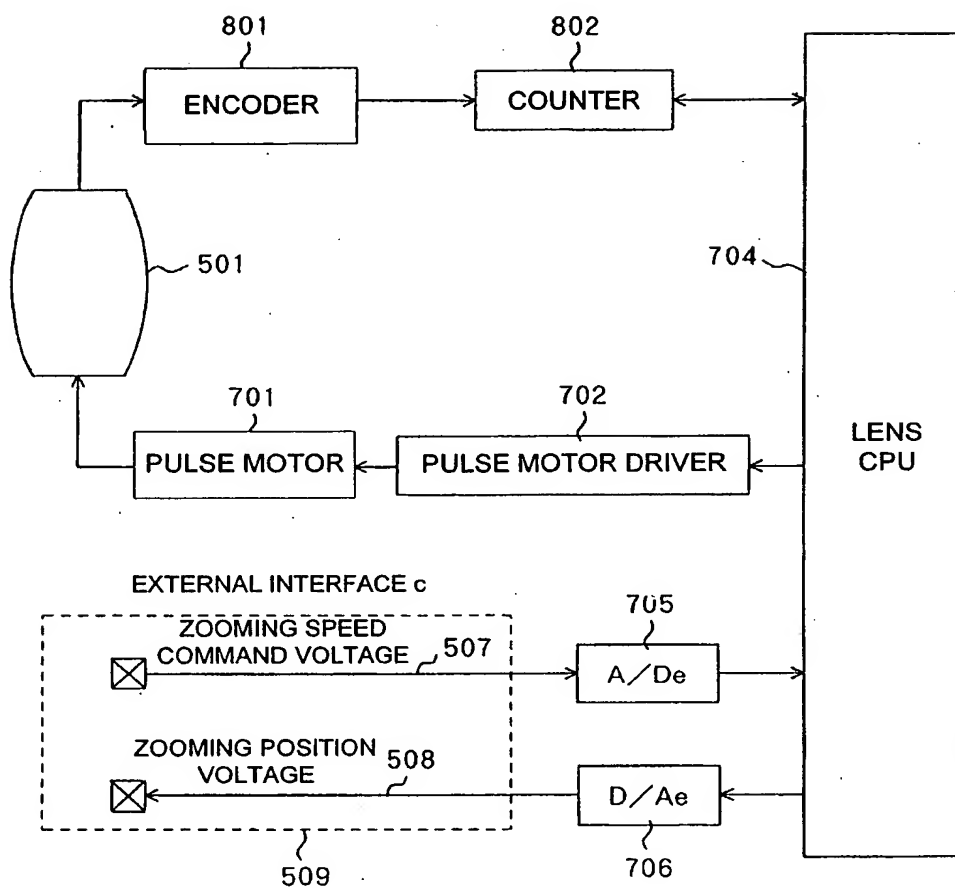


FIG. 29

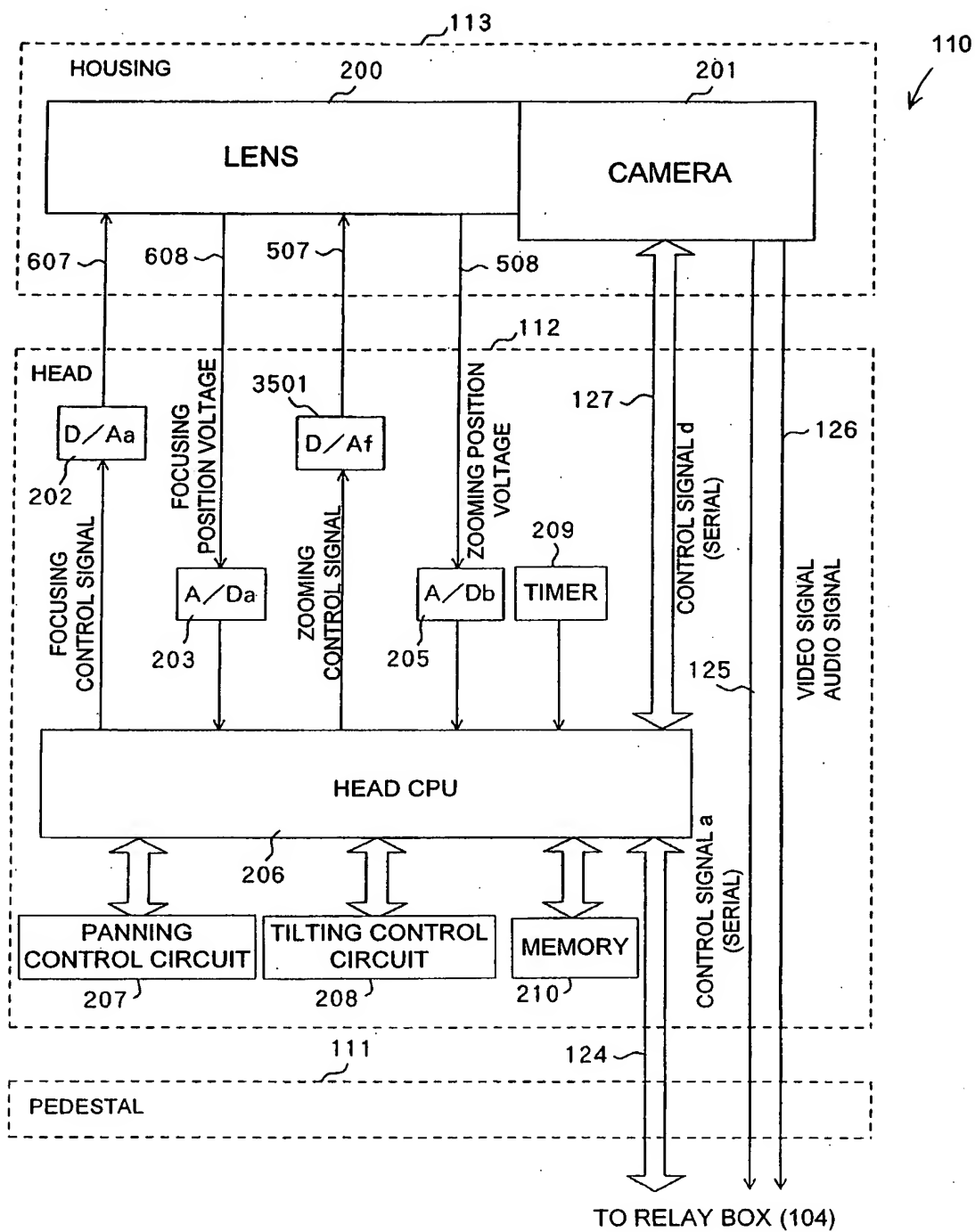


FIG. 30

FIG. 31

TABLE No.	8 BIT A/D VALUE	ZOOMING SPEED (PPS)	TOTAL REGION DRIVE TIME (SEC)	SPEED COMMAND VALUE
8	0x79~	2000	2.500	0x7C
7	0x70~0x78	1300	3.846	0x74
6	0x69~0x6F	900	5.556	0x6C
5	0x60~0x68	600	8.333	0x64
4	0x50~0x5F	400	12.500	0x57
3	0x41~0x4F	250	20.000	0x48
2	0x39~0x40	150	33.333	0x3C
1	0x21~0x38	100	50.000	0x2C
0	0x00~0x20	0	STOP	0x00

- NUMBER OF DRIVE PULSES OVER ENTIRE MOVABLE REGION OF ZOOM LENS: 5000
 - USING 8-BIT A/D CONVERSION
0x00~0x7F: WIDE DIRECTION
0x80~0xFF: TELE DIRECTION
- THE ABOVE TABLE SHOWS DIFFERENTIAL DATA WITH 0x80 AS THE CENTER POSITION

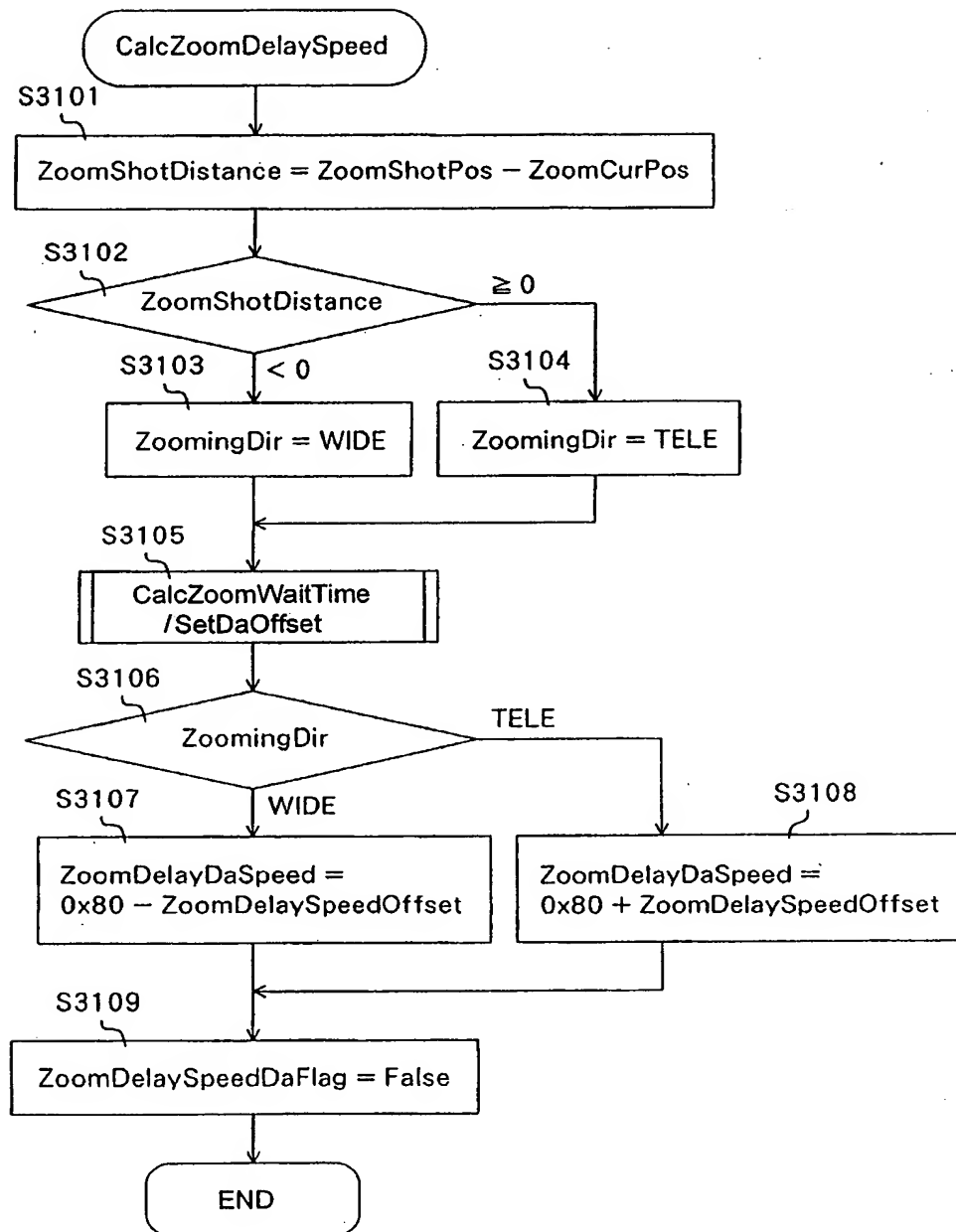


FIG. 32

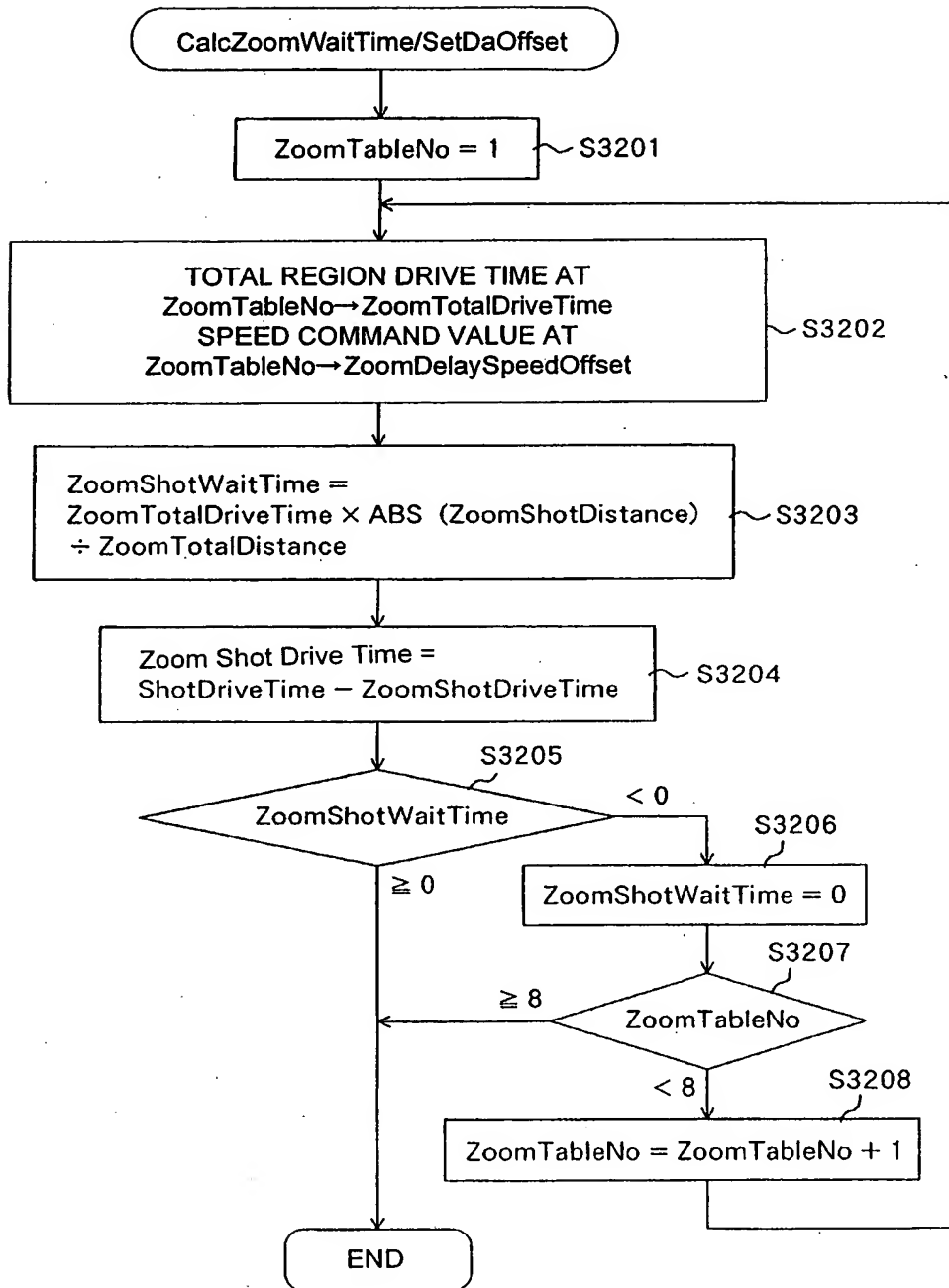


FIG. 33

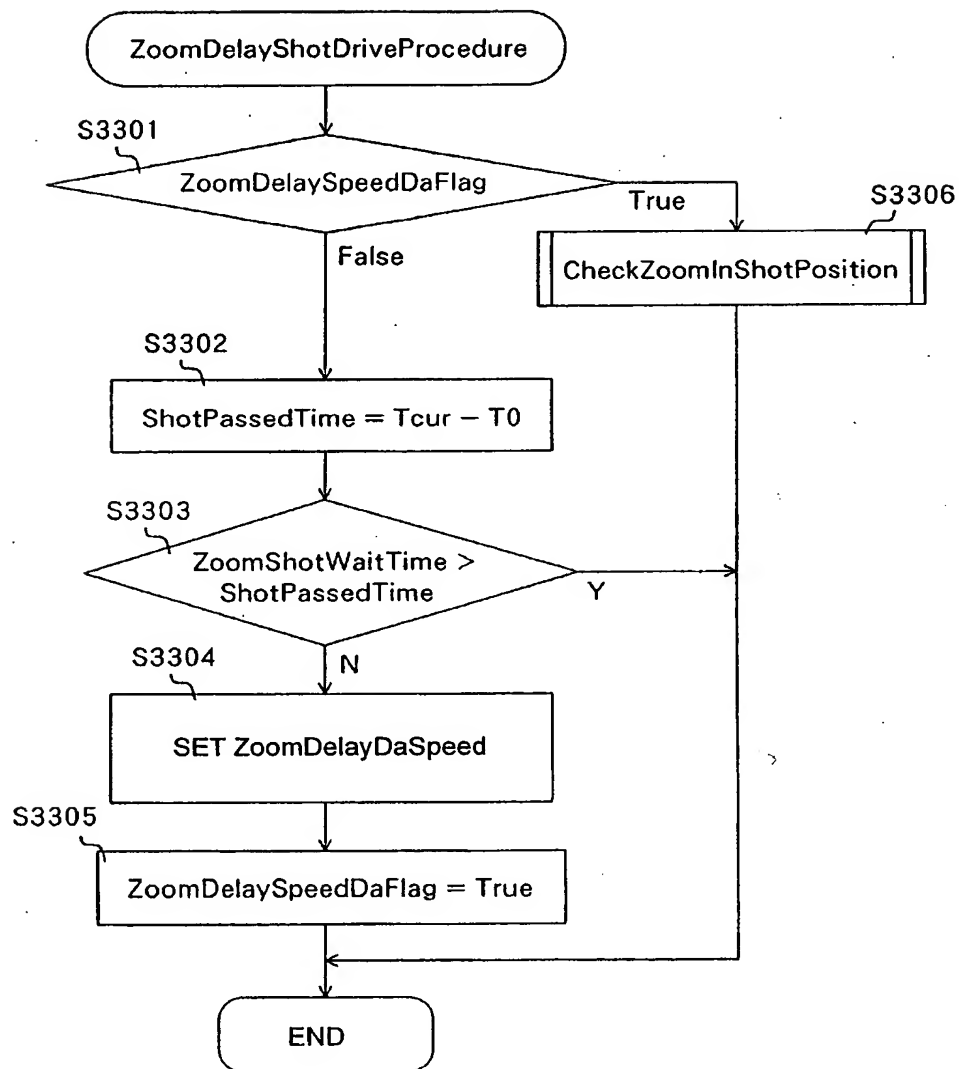


FIG. 34

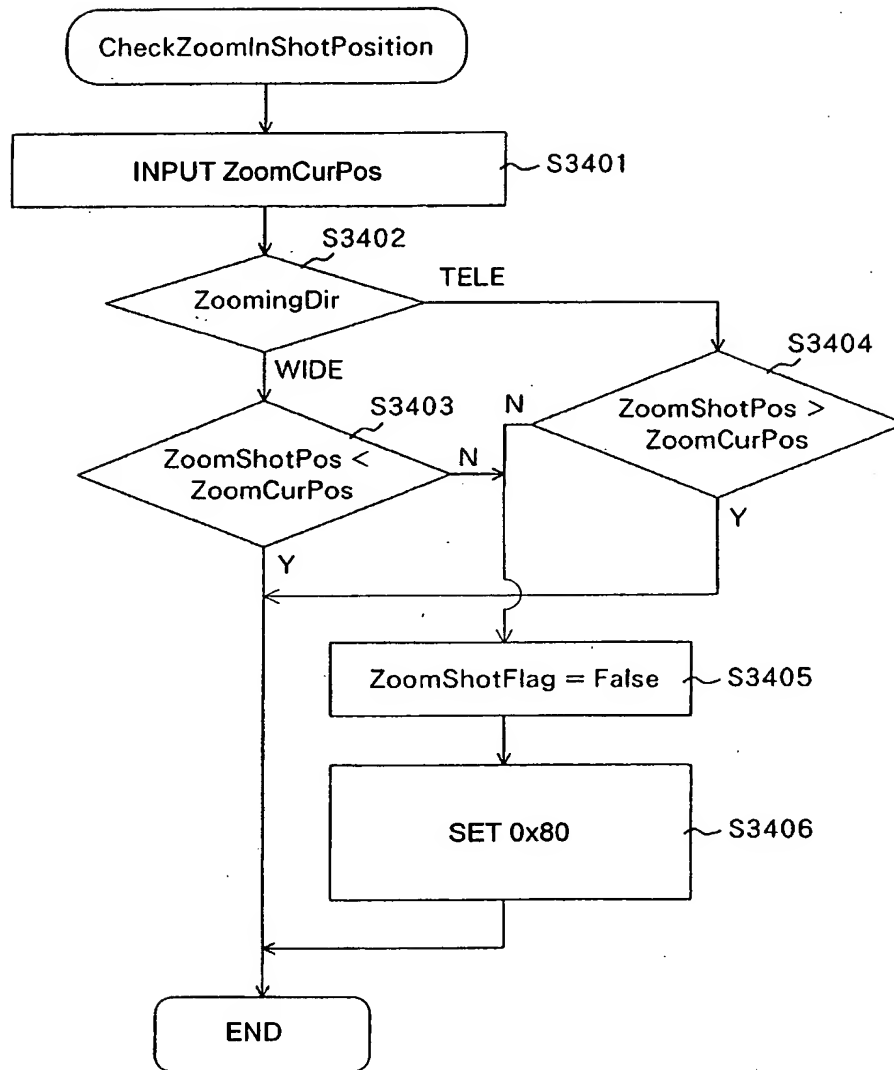


FIG. 35

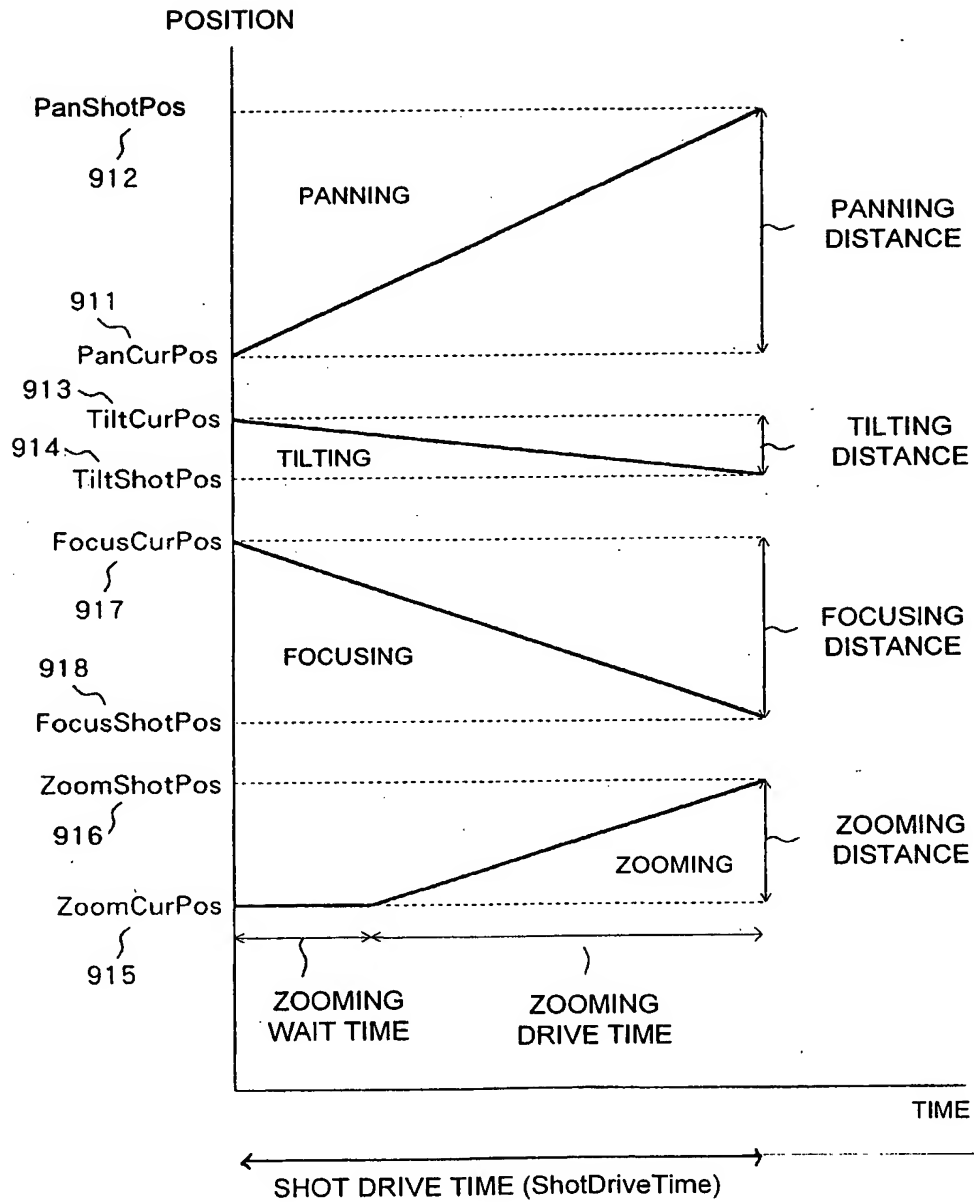


FIG. 36

FIG. 37A

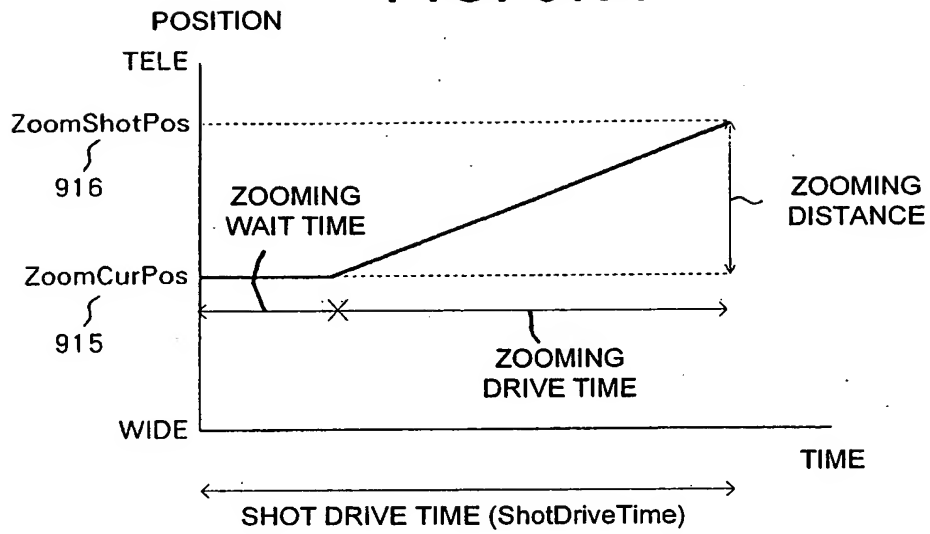
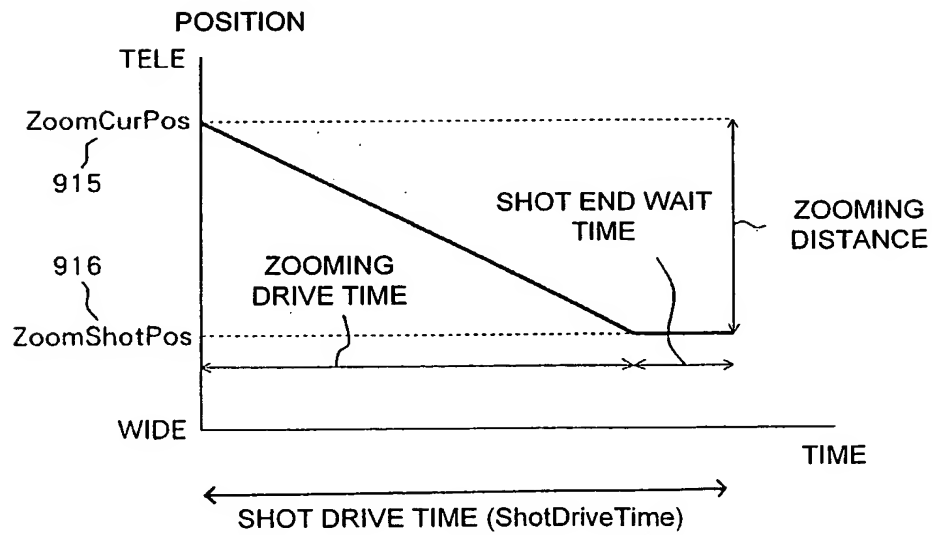


FIG. 37B



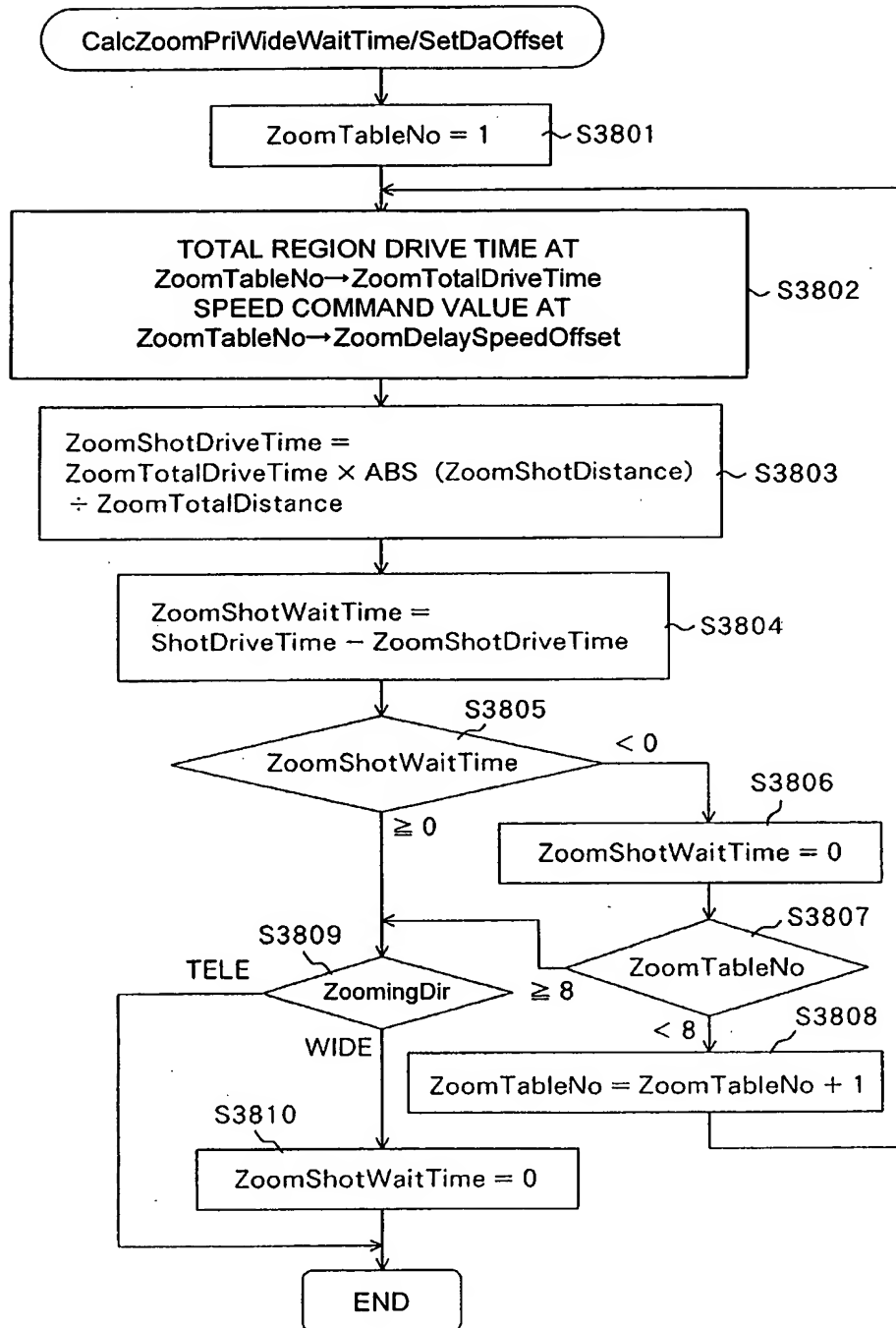


FIG. 38

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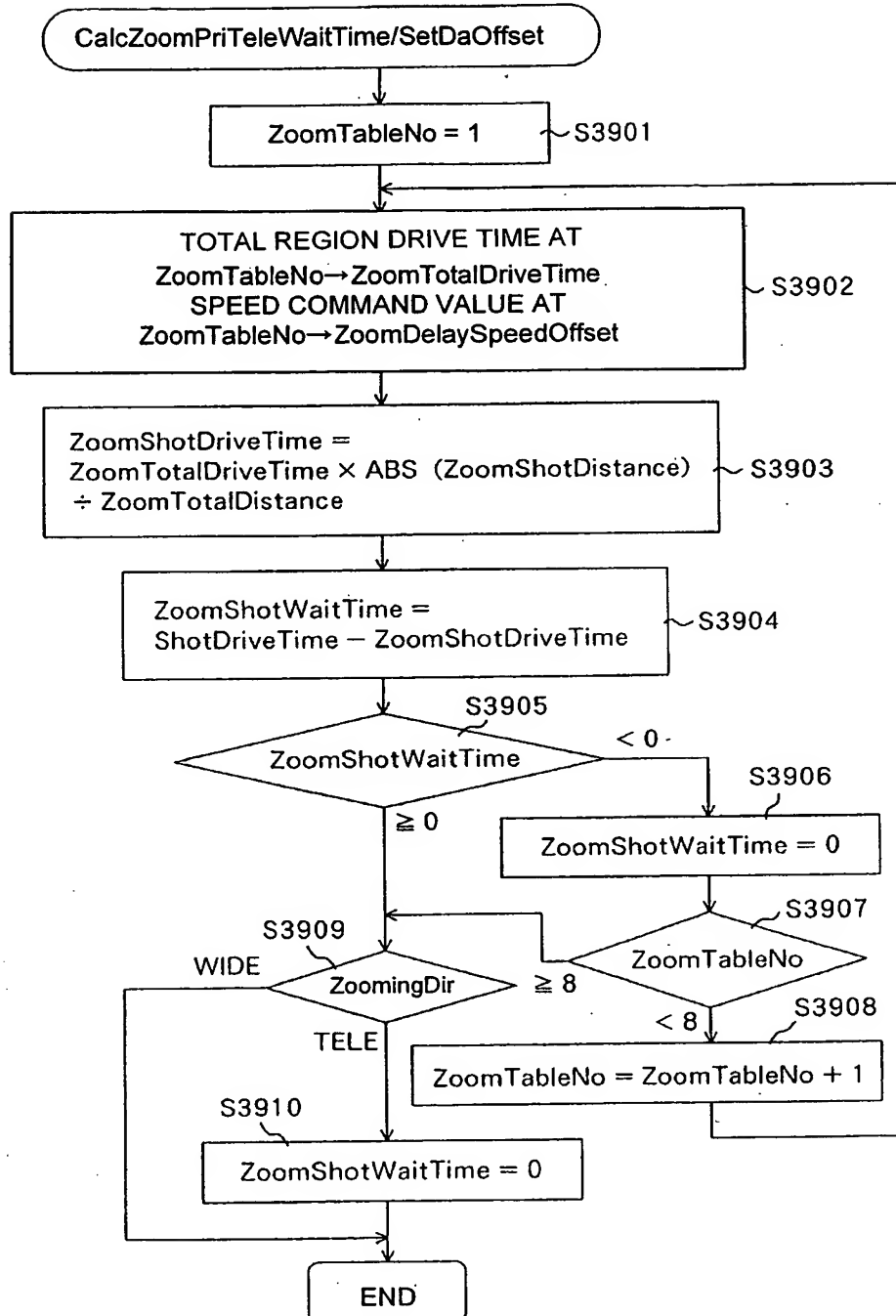


FIG. 39